

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Currently Amended) A Stirling engine including a displacer that moves inside a cylinder between a compression space and an expansion space and a piston that is made to reciprocate inside ~~the~~ cylinder by a ~~driving force source~~ linear motor, the piston reciprocating to cause the displacer to reciprocate to cause working gas to move, the Stirling engine including no spring for causing the piston to resonate,

~~wherein a spring for causing the piston to resonate is eliminated, and rotation preventing means is provided for preventing the piston from rotating about an axis thereof inside the cylinder~~ about an axis common to the piston and the cylinder.

2. (Currently Amended) A Stirling engine including a displacer that moves inside a cylinder between a compression space and an expansion space and a piston that is made to reciprocate inside ~~the~~ cylinder between the compression space and a bounce space by a ~~driving force source~~ linear motor, the piston reciprocating to cause the displacer to reciprocate to cause working gas to move, the Stirling engine including no spring for causing the piston to resonate,

~~wherein a spring for causing the piston to resonate is eliminated, and movement restricting means is provided for setting a limit of movement of the piston toward a~~ the bounce space.

3. (Previously Presented) The Stirling engine of claim 2,
wherein an elastic member for damping shock is arranged between the piston and the
movement restricting means.

Claims 4 – 6 (Cancelled)